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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Claims 1-47 (Cancelled).

Claim 48 (Previously Presented): A process for manufacturing a sub-assembly of an

electrochemical generator comprising the steps of:

coating an electrode support in the presence of air with a solution comprising an

electrode material, and a first polymer which is swellable with one or more polar aprotic

solvents;

drying the coated electrode support to provide a porous composite electrode; and

spreading onto the dried porous composite electrode, under anhydrous conditions, a

liquid aprotic solution comprising a second polymer which comprises a polyether polymer or

prepolymer, a polar aprotic solvent, and at least one alkali metal salt, to provide a first

polymer matrix on the porous composite electrode which is swellable with one or more polar

aprotic solvents; wherein the liquid aprotic solution fills at least partially the porosity of the

porous composite electrode and constitutes part of an electrolyte separator at the surface of

the composite electrode.

Claim 49 (Previously Presented): The process of Claim 48, wherein the first polymer

is selected from the group consisting of vinylidene fluoride-co-hexafluoropropene, vinylidene

fluoride, PVDF, polyacrylonitrile, poly(methylmethacrylate), and poly(ethylene propylene

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diene).

Claim 50 (Previously Presented): The process of Claim 48, wherein the first polymer

is a polyether polymer or prepolymer which is thermally, UV or electron beam cross-linkable,

and the second polymer swells less than the first polymer when contacted with a polar aprotic

solvent.

Claim 51 (Previously Presented): The process of Claim 48, wherein the porous

composite electrode is a carbon anode.

Claim 52 (Previously Presented): The process of Claim 48, wherein the porous

composite electrode is a composite cathode having an electrode material comprising a

phosphate of a transition metal.

Claim 53 (Previously Presented): The process of Claim 48, wherein the liquid aprotic

solution further comprises a prepolymer, oligomer or monomer which is cross-linkable.

Claim 54 (Previously Presented): The process of Claim 48, wherein the polyether is

thermally, UV, or electron beam cross-linkable.

Claim 55 (Previously Presented): A process of assembling an electrochemical

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generator comprising:

joining an anodic sub-assembly with a cathodic sub-assembly both being made by the process of Claim 48.

Claim 56 (Previously Presented): The process of Claim 55, wherein the anodic subassembly is a carbon anode.

Claim 57 (Previously Presented): The process of Claim 55, wherein an electrolytic separator which is less than 10 µm thick and which comprises a polyether and a solid filler is inserted between the cathodic and anodic sub-assemblies during said joining.

Claim 58 (Previously Presented): The process of Claim 55, wherein the porosity of one of the cathodic or anodic sub-assemblies is at least partially unfilled, and the unfilled porosity is impregnated with a liquid electrolyte after said joining.

Claim 59 (Previously Presented): The process of Claim 48, further comprising adding a crosslinking additive selected from the group consisting of trimethylolpropane triacrylate, trimethylolpropane trimethacrylate, polyethylene oxide diacrylate, polyethylene oxide dimethacrylate, glycerol triacrylate, glycerol trimethacrylate, pentaerythritol, tetraacrylate, glycerol propoxylate triacrylate, dipentaerythritol pentaacrylate, dipentaerythritol hexaacrylate, di(trimethylolpropane) tetraacrylate, and mixtures thereof.

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Claim 60 (Previously Presented): The process of Claim 48, further comprising the step of, prior to spreading the liquid aprotic solution, spreading onto the dried porous composite electrode a second liquid aprotic solution comprising a third polyether polymer or prepolymer and at least one alkali metal salt, to provide a second polymer matrix on the porous composite electrode which is which is thermally, UV, or electron beam cross-linkable and swellable with at least one polar aprotic solvent,

wherein the first polymer matrix is less swellable than the second polymer matrix when contacted with a polar aprotic solvent.

Claim 61 (Previously Presented): The process of Claim 60, wherein the first polymer is selected from the group consisting of vinylidene fluoride-co-hexafluoropropene, vinylidene fluoride, PVDF, polyacrylonitrile, poly(methylmethacrylate), and poly(ethylene propylene diene).

Claim 62 (Currently Amended): The process of Claim 48, wherein the polar aprotic solvents are selected from the group consisting of propylene carbonate, ethylene carbonate, tetrahydrofuran, 2-methyltetrahydrofuran, 1,3-dioxolane, 4,4-dimethyl-1,3-dioxolane, γbutyrolactone, butylene carbonate, sulfolane, 3-methylsulfolane, tert-butyl-ether, 1,2dimethoxyethane, 1,2-diethoxyethane, bis(methoxyethyl)ether, 1-2-ethoxymethoxyethane, 1,2-ethoxymethoxyethane, tetrabutylmethylether, and glymes and sulfonamides of formula:

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R₁R₂N-SO₂-NR₃R₄, in which R₁, R₂, R₃, and R₄ are each independently C₁₋₆ alkyl groups or C_{1.6} oxyalkyl groups.

Claim 63 (Previously Presented): The process of claim 48, further comprising the step of adding a volatile organic diluent to the liquid aprotic solution to facilitate the spreading operation.

Claim 64 (Previously Presented): The process of claim 48, further comprising the step of adding a volatile organic diluent to the solution comprising an electrode material to facilitate the coating operation.

Claim 65 (Previously Presented): A process for manufacturing a sub-assembly of an electrochemical generator comprising the steps of:

-forming a composite cathode comprising a first polymer, a cathode material, at least one polar aprotic solvent and at least one alkali metal salt, said first polar aprotic solvent causing said first polymer to swell;

-forming an electrolyte separator comprising a second polymer, at least one second polar aprotic solvent and at least one alkali metal salt, said second polar aprotic solvent causing said second polymer to swell;

-said composite cathode and said electrolyte separator are disposed in contact with each other; and

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-said first and second polar aprotic solvents are unequally distributed between said first and second polymer, thereby providing a macroscopic separation between said composite cathode and said electrolyte separator.

Claim 66 (Previously Presented): A process as defined in claim 65, wherein said first and second polymers are cross-linkable.